MONTGOMERYSHIRE COUNTY COUNCIL.

R E P O R T

of

THE COUNTY MEDICAL OFFICER OF HEALTH

IVOR J. JONES.
M.B., B.S., M.R.C.S., L.R.C.P.,
D.P.H.

for the

YEAR ENDED 31st DECEMBER, 1957.

County Health Offices,
N E W T O W N,
Montgomeryshire.

October, 1958.

To The
Chairman and Members of the Montgomery County Council.

Mr.Chairman, Ladies and Gentlemen,

I have the honour to present my Annual Report for 1957. The work of the Council's Health Department continues to increase in all sections.

VITAL STATISTICS: (pages 1 and 16-20)

Population: The Registrar General's estimate of the population for mid-1957 at 44,930 shows a very slight decrease over 1956 and is the lowest population for the County since 1945 (44,680).

Births: There were 684 live births during the year (15·22 per 1,000 population.) From 1941 to 1947 there was a general tendency towards an increase in the number of births each year, but since then the number has tended to decline. The provisional Birth Rate for England and Wales during 1957 was 16·1 per 1,000 population.

Infantile Mortality Rate (i.e.deaths of infants under one year of age per 1,000 live births.) (pages 2 and 3.)

During 1957 . fifteen infants died before reaching one year of age, giving an Infantile Mortality Rate of 21·93 per 1,000 live births as compared with a Rate of 23 for England and Wales. The Rates for this County and for the country as a whole are the lowest ever recorded, and it is encouraging to note that the County Rate is lower than the national figure. It is interesting to note that the Infantile Mortality Rate has been decreasing since the beginning of this century. The Rate for the whole of Wales was 28.

Year.	Rates for	
	Montgomeryshire	England & Wales
1902	107	133
1911	96	118
1921	82	83
1931	69	66
1941	49	59
1951	30	30
1957	22	23

Neo-natal Mortality Rate. (page 3)

Of the 684 infants born alive during the year, 13 died within 4 weeks of birth, giving a neo-natal mortality rate of 19·0 per 1,000 live births (1956 rate - 23·7). Two infants only died after reaching 4 weeks and before reaching 12 months of age.

Stillbirths.

There were 26 stillbirths during the year, giving a Stillbirth Rate of 0·58 per 1,000 population. Stillbirths per 1,000 total live and stillbirths were 37. The number of stillbirths in 1956 was 12 giving a Stillbirth Rate of 0·27. The marked reduction in the Infantile Mortality Rate during the past 50 years has been confined mainly to the saving of infants after the first week of age. There were no stillbirths to unmarried mothers and of the 23 illegitimate births, all survived to one year of age.

General Mortality (page 2 and 16-20)

There were 531 deaths from all causes during the year giving a Crude Death Rate of 11·82 per 1,000 population. It will be appreciated that the Death Rate of a community depends to some extent on the age constitution of that community, e.g. a community with a larger proportion of old people should have a higher Death Rate, everything else being equal, than another community with a smaller proportion of old people. In order to use Death Rates as an indication of health conditions in a community, it is necessary to take into account the proportion of people in all age groups in the community. The Registrar General has provided a "comparability factor" for the Crude Death Rate in this County. When this factor is applied to the Crude Death Rate of 11·82 per 1,000 population, a Death Rate of 10·75 is obtained, with a Death Rate of 11·5 for England and Wales. This Death Rate of 10·75 is the lowest ever recorded for this County.

The chief cause of death was heart disease, including coronary disease (58 cases), hypertension with heart disease (16 cases) and other heart disease (102 cases.)

While the Death Rate tends to fall and the expectation of life is increasing, it should be appreciated that the proportion of elderly people is increasing, and this factor alone will result in an increased proportion of deaths due to diseases to which the elderly are more prone. This is a factor in the apparent increase in the incidence of Cancer and deaths therefrom.

The Medical Research Council has recently reported a very great increase in deaths from lung cancer in males during the past 25 years, and that although a proportion of these cases can be attributed to specific industrial hazards and may be due, in industrial and large urban areas, to atmospheric pollution, evidence from different countries indicates that a major part of the increase is associated with tobacco smoking, particularly in the form of cigarettes. Action is being taken to bring this information to adolescents and young adults.

Maternal Mortality.

There was no death during the year due to pregnancy, childbirth, etc.

Accidents.

There were 7 fatal accidents in connection with motor vehicles, but there were 9 fatal accidents of other kinds. It has been pointed out that there are more fatal accidents in the home, which affect particularly young children and the elderly, than there are road accidents.
One death is attributed to "Homicide and operations of war" in the tabulated Causes of Death. This was due to late effects of war gas in World War 1.

General advice regarding the Prevention of Accidents in the home is given by Health Visitors and District Nurses when making their routine visits to homes. Posters are being displayed at the Infant Welfare Centres.

Vaccination and Immunisation (pages 6-8)

Vaccination against Smallpox.

Vaccination against smallpox is carried out in this County mainly by general medical practitioners. The proportion of children being vaccinated against smallpox is increasing steadily, but it is impossible to obtain an accurate record at any given time, as some General Medical Practioners are tardy in submitting their records of vaccination. The Council pays a fee of five shillings for each record of vaccination and steps have been taken to encourage practitioners to submit their records within a reasonable time.

Advice is given to parents by Health Visitors and District Nurses and the need for vaccination and immunisation is stressed.

Immunisation against Diphtheria.

Immunisation against diphtheria is carried out mainly by the Council's own Medical Officers, although this may be done by General Medical Practitioners. The proportion of children being so immunised remains high. It will be noted on page 6 that there has been no case of diphtheria or death therefrom in the County since 1947.

Immunisation against Whooping Cough.

Immunisation against whooping cough is offered but not pressed. In many cases it has been given combined with diphtheria prophylactic. If these antigens are given separately, at least 2 injections must be given against diphtheria and at least 3 against whooping cough, making a total of 5 injections in all. If they are combined, the number of injections can be reduced to 3. There are, however, several objections to using the combined prophylactic and the future tendency will be to use them separately.

Poliomyelitis Vaccination.

By the end of the year vaccination had been practically completed of those children born between 1st January 1947 and 31st December 1954 whose parents had agreed to vaccination.

Late in 1957 the Ministry extended their arrangements to include all children over 6 months old born subsequent to 1st January 1943, expectant mothers and doctors and their families. The acceptance rate for these classes has been very high and during 1958 very good progress has been made in the vaccination programme.

Epidemiology. (pages 8-10)

There was again a considerable epidemic of measles during the year. Of the 468 cases notified, 224 were in the Llanfyllin Rural District, 85 in Llanfyllin Borough and 82 in the Forden Rural District. There was, unfortunately, one death from measles.

There were also 41 cases of whooping cough, mainly in the Forden and Llanfyllin Rural Districts.

Five cases of poliomyelitis were notified, with one fatal case in the Machynlleth Rural District.

Tuberculosis. (pages 8 and 9)

There has been a very remarkable reduction in the deaths from tuberculosis during the past 50 years, and the reduction has been even more remarkable in the past 10 years.
During 1957 there were 4 deaths from tuberculosis in Montgomeryshire, all due to respiratory tuberculosis. This gives a Tuberculosis Death Rate of 89 per million population.

The following table provides evidence of the remarkable reduction in the Tuberculosis Death Rate referred to above :-

Year.	Tuberculosis Death Rate per million population:		
	Respiratory.	Non-respiratory.	All forms.
1913	1020	382	1402
1926	883	96	979
1936	696	174	870
1946	420	110	530
1956	89	-	89
1957	89	-	89

The mortality of a chronic disease such as tuberculosis is not a sound indication of the incidence of the disease, because of the time lag between infection and death, and because improved treatment has lessened the proportion of cases which die. Nevertheless it is apparent that remarkable success has been achieved in recent years in the prevention of tuberculosis. The following table shows the actual number of new cases notified and deaths registered from pulmonary and non-pulmonary tuberculosis since 1938:-

Years:	NEW CASES		DEATHS	
	Pulmonary	Non-pulmonary.	Pulmonary	Non-pulmonary
1938	49)	31)	26)	7)
1939	23)	13)	18)	2)
1940	41)38·0	17)20·6	19)22·8	5)5·8
1941	49)	16)	22)	7)
1942	28)	26)	29)	8)
1943	61)	27)	22)	7)
1944	46)	19)	17)	7)
1945	54)56·8	21)17·6	19)19·2	10)7·2
1946	55)	13)	19)	5)
1947	68)	8)	19)	7)
1948	49)	11)	22)	5)
1949	52)	8)	23)	-)
1950	30)41·6	19)12·8	6)14·6	-)1·8
1951	35)	15)	16)	2)
1952	42)	11)	6)	2)
1953	37)	10)	8)	1)
1954	37)	6)	8)	1)
1955	27)29·6	5)7·8	8)6·4	-)0·4
1956	25)	9)	4)	-)
1957	22)	9)	4)	-)

The number of new cases of pulmonary tuberculosis rose remarkably during the war and post-war years, but since then there has been a marked reduction in the number of cases notified. The reduction in the number of non-pulmonary tuberculosis cases notified is even more marked, probably due to the improvement of milk production, particularly "Tuberculin Tested" milk and "Pasteurised" milk.

Whenever a new case of tuberculosis is notified, a visit to the home is made by the Health Visitor who endeavours to trace the source of infection and to persuade every member of the household to visit the Chest Physician's Clinic, with a view to discovering any source of infection in the household or any secondary cases of infection from the notified patient.

The Chest Physicians' Clinics are attended by the Health Visitors

concerned who can advise the Chest Physician on the home environment, sanitary conditions, etc. and who can be instructed by the Chest Physician with a view to advising members of the household on the prevention of spread of infection.

Maternity and Midwifery Services (pages 3 and 4.)

The number of women confined in hospital continues to increase- 527 in 1957 - as compared with 166 women confined at home. The Home Help Service can and is playing an important part by caring for the rest of the family when the mother is being confined.

Maternity outfits are distributed by the District Nurse-Midwives for domiciliary confinements. Gas and air analgesia was administered to 110 patients in their own homes during 1957, and pethidine was administered to 74 patients. The Superintendent Nursing Officer continues to act as Non-medical Supervisor of Midwives and carries out regular inspections of all midwives in the County who have notified their intention to practice, including those midwives employed in the local hospitals. Three unmarried mothers were admitted to Bersham Hall during the year. No cases of ophthalmia neonatorum were notified during the year.

Ante-natal and post natal clinics are conducted by general medical practitioners, either in the local hospitals or in the patients' homes. The district nurse-midwives carry out ante-natal examinations of expectant mothers, who have not booked a doctor, in their own homes.

Arrangements have been made with Drs.J.J.O'Dwyer and S.H.Dallas to hold their ante-natal clinics at the Council's Clinic in Newtown. These Clinics are staffed by the doctors themselves and hospital and domiciliary midwives. It is hoped that similar arrangements might be made at some of the other Clinics in the County.

Home Nursing: (page 1)

The nursing of the chronic sick and elderly continues to form a large part of the nurses' work - 599 patients were over the age of 65 years at the time of the first visit during the year and a total of 11590 visits were paid to these patients. Close liaison is still being maintained by both the nursing and home help staff. Many of these chronic sick patients are nursed at home, although these conditions and home circumstances are such that admission to hospital would be advisable. This is due to the continued shortage of hospital accommodation for the chronic sick.

Nursing appliances which may be loaned to patients are available, and such articles as mackintosh sheeting, bed pans, urinals, backrests, and air cushions form part of the nurses' equipment. Further supplies are available from the British Red Cross Society and the St.John Ambulance Brigade. I should like to take this opportunity of thanking the officers of both these organisations for their continued and valuable assistance at all times.

The proportion of injection work continues to vary. The analysis shows the type of injection given, the number of cases and the total number of injections given.

Injections	No.of Cases during 1957	No.of injections given during 1957
Mersalyl	36	827
Penicillin	124	644
Streptomycin	20	466
Cytamen	46	1119
Anahaemin	30	652
Inferon	11	51
Insulin	15	776
Neptal	5	91
Others	30	187

No special arrangements are made for the nursing of sick children at home, but children discharged from hospital are referred to the County Health Department by the Almoner for special supervision.

Dental Services:

It has still not been possible for the Council to provide a priority dental service for expectant and nursing mothers and pre-school children. Such a service could not be provided at present without seriously affecting the School Dental Service.

Post Graduate Courses:

Five district nurse-midwives attended approved refresher courses for midwives.

Child Welfare:

Reference has already been made to the remarkable reduction in infantile mortality during the past 50 years, but it is apparent that increased attention will have to be given to the causes of peri-natal mortality, i.e. stillbirths and deaths during the first week of life.

Infant Welfare Centres:

Two new Clinics came into use at the beginning of this year at Machynlleth and Llanfyllin. These premises have been very well adapted from schools and greatly improve the facilities available for infant welfare work. The new premises are much appreciated by the medical and nursing staff and also by the mothers attending these clinics. Another centre was inaugurated at Llanfair Caereinion in October.

The voluntary workers play an important part in the running of the Infant Welfare Clinics and I should like to take this opportunity of thanking them for their valuable assistance.

Home Help Service:

Care of the aged is becoming an increasing factor of this service. Part-time help for old people, which enables them to stay in their own homes, covers approximately 80% of the help given. For this purpose a number of part-time workers are employed as, in view of the difficulties of rural travelling, it is usually more convenient to employ one woman for one or two cases near her own home. Resident helps are employed for family cases, and occasionally for the chronic sick, where daily help cannot be provided.

Number of Home Helps employed at 31st December,1957:

Whole time	7
Part-time	61.

Number of cases where Home Help was provided during the year:

(a)	Maternity (including expectant mothers)	37
(b)	Tuberculosis	1
(c)	Chronic sick including aged and infirm	120
(d)	Others	28

Comparative figures since the inception of the Service:

Type of Case	1950	1951	1952	1953	1954	1955	1956	1957
(a) Maternity	-	36	39	54	50	45	35	37
(b) Tuberculosis	-	2	2	3	2	3	1	1
(c) Others	6	51	75	121	94	124	149	147
TOTALS:	6	89	116	178	146	172	185	185

Welfare Foods:

The arrangements made for the distribution of welfare foods in 1954, following the transfer of this work to the County Council from the Ministry of Food, have continued in the main throughout 1957. The Council will appreciate that the local distribution has been carried out mainly by the voluntary organisations, such as the British Red Cross Society, and a large number of individuals in many cases since the transfer to the County Council in 1954. The local distribution involves regular attendance at specified hours at a distribution centre, the receipt of welfare foods, the cancellation of coupons and receipt of payments in stamps, together with meticulous book-keeping. But for the very willing co-operation which has been received throughout these years from these volunteers, the Council would be involved in considerably increased expenditure. I, personally, am very grateful for this voluntary co-operation.

Issues of Welfare Foods.

	By Coupons		On payment of full price (4/- per tin.)		Issues to Hospitals	
	1956	1957	1956	1957	1956	1957
National Dried Milk	37815	30918	70	34	199	222
Cod Liver Oil	4832	4085				
A & D Tablets	1570	1435				
Orange Juice	26464	26662			-	5

Ambulance Service: (pages 13-15)

The six St.John Ambulance Divisions in the county continue to provide a voluntary Ambulance Service, while a number of volunteer car drivers provide a sitting-case car service at a cost which is intended to cover the cost without payment to the driver. A number of commercial taxi owners undertake this Service at the same mileage rates as the volunteer car drivers.

It is a pleasure to record my thanks to the numerous voluntary organisations and individuals, including the County Branch of the British Red Cross Society, the St.John Ambulance Divisions, the W.V.S, the two Chest Physicians and the Heads of Departments of the County Council, and particularly to the staff of the County Health Department for their co-operation throughout the year.

IVOR J.JONES

County Medical Officer of Health.

County Health Offices,
NEWTOWN.
Montgomeryshire.

October, 1958.

COUNTY HEALTH STAFF:

County Medical Officer of Health and Principal School Medical Officer.	Ivor J.Jones, M.B., B.S., M.R.C.S.,L.R.C.P.,D.P.H.
Medical Officer :	Amelia Evans, B.Sc.,M.B., B.Ch.,D.P.H. J.Mary Pryce, M.A.,M.B.,Ch.B., Ian B.Millar, M.D.,B.Ch., B.A.O.,D.P.H.
Principal Dental Surgeon:	E.Davies-Thomas, T.D., M.R.C.S., L.R.C.P.,L.D.S.,R.C.S.
Superintendent Nursing Officer:	Miss S.D.Wilson, S.R.N., S.C.M., H.V.
Health Visitors:	Miss Eunice Jones, S.R.N., S.C.M., H.V. Miss G.E.Bryan, S.R.N., S.C.M., H.V. Miss N.L.Jones, S.R.N., S.C.M., H.V. Mrs.E.Wynne Peate, S.R.N.,H.V. Part 1 Midwifery.
Home Help Supervisor:	Mrs. R.M.Goodwin.
Food and Drugs Inspector:	E. Walter Evans.
Duly Authorised Officers:	W.S.Lewis (retired April 1957) D.T.Llewellyn. A.Sidney Evans.
Dental Attendants:	Miss A.E.Jones. Miss P.M.Lewis.

OFFICE STAFF:

Walter Jones, (Chief Clerk)
D.W.Rees.
W.B.Davies.
B.Owen.
Mrs.H.D.Hughes (resigned)
Mrs. D. Weaver.
Miss E.Stephens.
Mrs. M. Hindley (from 1. 5.57)
Miss E. Davies (from 13.5.57)

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DISTRICT NURSE-MIDWIVES.

a ... State Certified Midwife.
b ... State Registered Nurse.
c ... Queen's Nurse.
d ... Gas and Air Certificate.
e ... Health Visitor's Certificate.

District	Nurse-Midwife	Qualifications
BERRIEW	Sister A.M.Morgan	abd
CARNO	Nurse A.S.Poate	ad
CEMMAES	Sister M.E.Ryder (to 18.6.57)	abde
CAERSWS	Nurse E.E.Wainwright (to 31.12.57)	ad
CHURCHSTOKE	Sister B.A.Evans	abd
KERRY	Sister E.F.Humphreys	abde
LEIGHTON	Sister J. Glasscodine	abd
LLANBRYNMAIR	Sister L.Evans	ab
LLANDINAM	Nurse J.A.Griffiths	ab
LLANDYSILIO	Sister P.Davies	abd
LLANFYLLIN	Nurse E.E.Fryer	ab
LLANRHAIADR	Sister M.Thomas	abcd
LLANWDDYN	Nurse S.J.Watkins	ad
LLANIDLOES	Sister R.E.Jones	abd
LLANFAIR CAEREINION	Nurse H.Mills Evans,M.B.E.	ad
LLANSANTFFRAID	Nurse M.L.Jones	ad
MONTGOMERY	Sister M.A.Thomas	abd
MACHYNLLETH	Nurse M.E.Jones	ad
MEIFOD	Nurse M.L.Lewis	ad
NEWTOWN	Sister C.Lloyd Jones	abcd
TREGYNON	Nurse C.J.Lloyd	ad
TREFEGLWYS	Sister E.J.Richards	abd
WELSHPOOL (Inner)	Sister D.Coates (to 31.10.57) Sister E.J.Jones (from 27.11.57)	abcd abd
WELSHPOOL (Outer)	Nurse M.J.Ellis	a

GENERAL STATISTICS.

Area of Administrative County	.. ..	510,110 acres.
Population (Registrar-General's Mid-Year Estimate)	.. ..	44,930
Rateable Value - 1955-56	.. ..	£194,134
1956-57	.. ..	£346,567
1957-58	.. ..	£328,451
Sum represented by 1d.rate 1955-56	.. ..	£769
1956-57	.. ..	£1,401
1957-58	.. ..	£1,322

HOME NURSING.

Type of Case	Number of cases attended by Home Nurses during the year.	Number of visits paid by Home Nurses during the year.
Medical	1271	19574
Surgical	637	6719
Infectious diseases	16	47
Tuberculosis	5	217
Maternal complications	16	92
Others	328	829
Totals	2273	27478
Patients included above who were 65 or over at the time of the first visit during the year	599	11590
Children included above who were under 5 at the time of the first visit during the year	222	984
Patients included above who had more than 24 visits during the year.	269	12176

VITAL STATISTICS.

	County of Montgomery	
	Number	Rate per 1000 civilians
Live Births	685	15·2
Stillbirths	26	0·58
Illegitimate births .. .. (live and still)	23	
Percentage of total births	3.24	
Deaths: All causes	531	11·82
Influenza	5	0·11
Diphtheria	0	0·00
Measles	1	0·02
Whooping Cough ..	0	0·00
		Rate per 1000 total births
Maternal causes	0	0·00
		Rate per 1000 live births
Deaths of infants under 1 year	15	22
Deaths from enteritis and diarrhoea under 2 years	0	0·00

The chief causes of death were :

Heart disease	33·1%
Cerebral haemorrhage	19·2%
Cancer	17·5%

Deaths from	Numbers.
Motor accidents	7
Suicide	6
Tuberculosis: Respiratory	4
Others	0

TREND OF BIRTH RATE AND DEATH RATE in the County during the last 25 years.

Year.	Birth Rate	Average	Death Rate	Average
1933	14·7		14·3	
1934	14·8		14·8	
1935	16·1	15·0	14·4	14·4
1936	14·3		14·3	
1937	14·9		14·4	
1938	15·5		13·5	
1939	14·8		14·5	
1940	13·6	15·0	15·3	14·3
1941	15·1		13·9	
1942	15·9		14·2	
1943	16·5		13·5	
1944	17·2		13·6	
1945	16·0	17·3	14·6	13·7
1946	18·4		13·4	
1947	18·4		13·4	
1948	17·8		12·9	
1949	17·8		12·9	
1950	15·8	17·0	12·9	13·0
1951	16·8		14·1	
1952	16·7		12·4	
1953	16·1		12·4	
1954	15·5		12·3	
1955	14·9	15·3	12·6	12·3
1956	15·0		12·2	
1957	15·2		11·8	

INFANTILE MORTALITY: 1933-1957

Year	Rate	Average.	Year	Rate	Average.
1933	57		1948	41	
1934	73		1949	46	
1935	46	55	1950	43	38
1936	53		1951	30	
1937	45		1952	29	
1938	34		1953	30	
1939	73		1954	26	
1940	57	54	1955	28	27
1941	49		1956	30	
1942	54		1957	22	
1943	33				
1944	35				
1945	41	37			
1946	37				
1947	39				

DEATHS OF INFANTS.

Sanitary District.	Deaths of Infants.		
	Under 4 weeks	4 weeks to one year	Total: Under one year.
Llanfyllin M.B.	2	1	3
Llanidloes M.B.	-	-	-
Machynlleth U.D.	-	-	-
Montgomery M.B.	-	-	-
Newtown & Llanllwchaiarn U.D.	1	-	1
Welshpool M.B.	4	-	4
Urban Areas:	7	1	8
Forden R.D.	2	1	3
Llanfyllin R.D.	1	-	1
Machynlleth R.D.	-	-	-
Newtown & Llanidloes R.D.	3	-	3
Rural Areas:	6	1	7
WHOLE COUNTY:	13	2	15

DOMICILIARY AND INSTITUTIONAL CONFINEMENTS.

Year.	Total Births (Live & still.)	Domiciliary Confinements		Hospital Confinements.	
		Number	Percentage of total births	Number	Percentage of total births
1938	716	472	65·9	244	34·1
1939	709	504	71·1	205	28·9
1940	700	465	66·4	235	33·6
1941	808	500	61·9	308	38·1
1942	780	493	63·2	287	36·8
1943	797	476	59·7	321	40·3
1944	805	419	52·1	386	47·9
1945	705	362	51·3	343	48·7
1946	829	429	49·1	400	48·3
1947	868	429	46·1	443	50·9
1948	800	369	38·7	431	53·9
1949	793	307	36·3	486	61·3
1950	728	264	35·1	464	63·7
1951	730	256	35·1	474	64·9
1952	737	249	33·8	488	66·2
1953	686	219	31·9	467	68·1
1954	694	210	30·3	484	69·7
1955	662	184	27·8	478	72·2
1956	694	185	26·7	509	73·3
1957	693	166	24·0	527	76·0

CARE OF PREMATURE INFANTS.

Total number of premature live births notified during the years:-

	1952	1953	1954	1955	1956	1957
(a) born at home	8	15	11	7	10	5
(b) born in hospital	25	31	26	26	28	43
TOTALS:	33	46	37	33	38	48
Number born at home:-						
(a) nursed entirely at home	5	15	8	6	8	3
(b) died in first 24 hours	-	1	-	1	-	1
(c) died 2nd to 28th day.	-	-	-	-	-	-
(d) survived at 28 days	5	14	8	5	8	2

CARE OF ILLEGITIMATE CHILDREN

The following table gives details of the number of illegitimate children born in the County during the last decade:

Year	Live Births		Stillbirths		Total Births		Illegitimate
	Legitimate	Illegitimate	Legitimate	Illegitimate	Legitimate	Illegitimate	% of total births.
1948	750	61	16	-	766	61	7·4
1949	735	49	15	3	768	52	6·3
1950	670	52	19	3	689	55	7·4
1951	725	41	16	-	741	41	5·2
1952	720	30	13	2	733	32	4·2
1953	679	44	13	1	694	45	6·1
1954	668	31	16	-	684	31	4·3
1955	650	21	18	-	668	21	3·0
1956	647	27	12	-	659	27	4·0
1957	661	23	26	-	684	23	3·3
TOTAL:	6923	379	166	9	7086	388	5·2

N.B. - The above figures are those given by the Registrar-General, i.e. they have been corrected for inward and outward transfers.

INFANT WELFARE CENTRES.

were held in 1957, as follows :

LLANFYLLIN	Health Clinic	2.30 p.m. second and last Thursday in each month.
LLANIDLOES	Railway Station Assembly Rooms	2.30 p.m. second and last Wednesday in each month.
MACHYNLLETH	Health Clinic	2.30 p.m. second and fourth Tuesday in each month.
LLYNYGOG (Staylittle)	The Institute	2.30 p.m. third Thursday in each month.
NEWTOWN	Health Clinic	2.30 p.m. every Wednesday in each month.
WELSHPOOL	Victoria Memorial Hospital.	2.30 p.m. first and third Friday in each month.
MEIFOD	The Church Room	2.30 p.m. last Friday in each month.
LLANWDDYN	The Oaks	2.30 p.m. second Friday in each month.
LLANBRYNMAIR	The Institute	2.30 p.m. second Thursday in each month.
LLANSANTFFRAID	Village Hall	2.30 p.m. first Tuesday in each month.
CAERSWS	Village Hall	2.30 p.m. last Friday in each month.
LLANFAIR CAEREINION	Old Primary School	2.30 p.m. third Tuesday in each month.

Children who attended the Centres for the first time who at their first attendance were under 1 year of age 321

Total number of children who attended during the year 835

Number of attendances during the year made by children who, at the date of attendance, were :-

Under 1 year	2982	
1 but under 2	1092	
2 but under 5	983	= 5057

HEALTH VISITING.

Ante-natal visits to expectant mothers	First visits	88	
	Total visits	227	(8)
Visits to infants under 1 year of age	First visits	698	
	Total visits	5599	(350)
Visits to children aged 1 but under 2 years	Total visits	2821	(129)
Visits to children aged 2 but under 5 years	Total visits	3686	(122)
Visits to tuberculous households	Total visits	590	(14)
Other cases	Total visits	1722	(499)
Total number of families or households visited by Health Visitors		2949.	

N.B. The figures shown in brackets are the number of "No access" visits. (The number of persons to whom a visit was intended but not made effectively owing to failure to contact the person.) These figures are not included under the heading "Total Visits."

VACCINATION AGAINST SMALLPOX

The number of children vaccinated by general medical practitioners in the County remains small.

Vaccination Records received from General Medical Practitioners
5th July,1948 to 31st December,1957

V = Vaccination. R.V. = Revaccination

Year of Birth.	1948-1953		1954		1955		1956		1957		Totals	
	V.	R.V.	V.	R.V.	V.	R.V.	V.	R.V.	V.	R.V.	V.	RV.
1957	-	-	-	-	-	-	-	-	157	-	157	-
1956	-	-	-	-	-	-	174	-	100	-	274	-
1955	-	-	-	-	123	-	131	-	7	-	261	-
1954	-	-	137	-	124	1	16	-	2	2	279	3
1953	150	-	102	1	26	-	3	1	3	1	284	3
1952	283	-	19	-	10	1	-	-	1	-	268	1
1951	264	-	5	-	7	-	3	-	3	1	282	1
1950	208	-	2	-	5	-	1	-	-	-	216	-
1949	250	2	-	-	1	1	-	-	-	2	251	5
1948	206	1	-	-	1	-	-	-	-	-	207	1
Before 1948	91	264	14	32	11	45	16	21	15	35	147	397
TOTALS:	1407	267	279	33	308	48	344	22	288	41	2626	411

DIPHTHERIA AND DIPHTHERIA IMMUNISATION

Incidence and Mortality:

Period	Cases	Deaths
1927-1933	130	11
1934-1940	204	16
1941-1947	95	9
1948-1957	-	-

Immunisation.

Number of children who completed the full course of immunisation during the year :

0 - 4 years	.. ..	554		
5 - 14 years	.. ..	16	=	570

State of Immunisation as at 31st December, 1957:

Age	Estimated number immunised.		
0 - 1 year	74		
1 - 2 years	481		
2 - 3 years	485		
3 - 4 years	561		
4 - 5 years	608	2209	
5 - 6 years	634		
6 - 7 years	674		
7 - 8 years	658		
8 - 9 years	651		
9 - 10 years	701		
10 - 11 years	710		
11 - 12 years	633		
12 - 13 years	612		
13 - 14 years	626		
14 - 15 years	617	6516	8725.

	Child population (as estimated by Registrar-General at mid-1957)	Number immunised	Percentage of child population immunised
0 - 4 years	3,500	2209	63·1%
5 - 14 years	7,000	6516	93·1%
Totals under 15 yrs:	10,500	8725	83·1%

IMMUNISATION AGAINST WHOOPING COUGH
(1st October, 1954 to 31st December, 1957)

Year of Birth	Combined diphtheria and whooping cough.		Whooping Cough only		Total number of children immunised.		
	General Ptractitioners	Medical Officers	General Practitioners	Medical Officers	General Practitioners	Medical Officers	
1957	16	7	5	34	21	41	(62)
1956	174	257	1	5	175	262	(437)
1955	133	312	2	3	135	315	(450)
1954	142	306	-	2	142	308	(450)
1953	41	102	5	21	46	121	(167)
1952	9	19	3	20	12	39	(51)
1951	7	10	4	5	11	15	(26)
1950	4	14	-	9	4	21	(25)
1949	3	9	2	3	5	12	(17)
Before 1949	3	2	4	5	7	7	(14)
TOTALS:	532	1038	26	103	558	1141	(1699)

POLIOMYELITIS VACCINATION
(as at 31st December, 1957.)

Record of Registrations:

Year of Birth	Registered in		Total Registrations.	Estimated child population.	Percentage of Registrations.
	1956.	1957.			
1943 ..	-	481	481	725	66·3
1944 ..	-	534	534	740	73·4
1945 ..	-	477	477	675	70·7
1946 ..	-	487	487	780	62·4
1947 ..	408	242	650	780	83·3
1948 ..	413	210	623	760	82·0
1949 ..	386	217	603	745	80·9
1950 ..	344	214	558	675	82·7
1951 ..	260	350	610	725	84·1
1952 ..	213	339	552	710	77·7
1953 ..	198	266	464	685	67·6
1954 ..	184	271	455	660	68·9
1955 ..	-	414	414	635	65·2
1956 ..	-	436	436	635	68·7
1957 (to June 30th	-	145	145	320	45·3
TOTALS:	2403	5092	7498	10250	73·1

Record of Vaccinations:

Year of Birth	Number of children vaccinated. 2 injections	1 injection	Number of children registered but not vaccinated.
1943 ..	-	-	481
1944 ..	1	-	524
1945 ..	1	-	476
1946 ..	-	-	487
1947 ..	392	38	220
1948 ..	401	20	202
1949 ..	369	24	210
1950 ..	334	24	200
1951 ..	254	32	324
1952 ..	222	36	304
1953 ..	184	51	229
1954 ..	175	45	235
1955 ..	5	80	329
1956 ..	6	69	361
1957 ..	-	1	144
TOTALS:	2334	420	4744

TUBERCULOSIS

Cases on Register at 31st December:

Year	Pulmonary M	Pulmonary F	Non-Pulmonary M	Non-Pulmonary F	Totals. M	Totals. F	Both Sexes.
1947	162	115	52	59	214	174	388
1948	164	127	50	62	214	189	403
1949	156	95	39	45	196	140	336
1950	158	99	46	52	204	151	355
1951	140	105	47	52	187	157	344
1952	143	108	45	49	188	157	345
1953	134	114	45	40	179	154	333
1954	132	116	36	32	168	148	316
1955	140	111	35	33	175	144	319
1956	148	110	36	32	184	142	326
1957	158	112	37	35	195	147	342

NEW CASES ~~OF~~ AND MORTALITY FROM TUBERCULOSIS - 1957

	NEW CASES. Pulmonary. M.	F.	Non-pulmonary. M.	F.	Total. M.	F.	DEATHS. Pulmonary. M.	F.	Non-pulmonary. M.	F.	Total. M.	F.
0 - 1 yr.	-	-	-	-	-	-	-	-	-	-	-	-
1 - 5 yrs	-	1	1	-	1	1	-	-	-	-	-	-
5 -15 yrs	2	-	1	2	3	2	-	-	-	-	-	-
15 -45 yrs	7	7	-	4	7	11	1	1	-	-	1	1
45 -65 yrs	4	1	1	-	5	1	-	1	-	-	-	1
65 & over.	-	-	-	-	-	-	-	1	-	-	-	1
TOTALS:	13	9	3	6	16	15	1	3	-	-	1	3

TUBERCULOSIS DEATH RATE per
1,000,000 population
County of Montgomery

Year	Pulmonary	Non-Pulmonary	Total.
1936	696	174	870
1937	530	116	646
1938	579	156	735
1939	394	43	437
1940	408	107	515
1941	443	141	584
1942	606	167	773
1943	465	162	627
1944	374	154	528
1945	425	224	649
1946	420	110	530
1947	420	154	574
1948	483	110	593
1949	503	-	503
1950	131	-	131
1951	351	44	395
1952	138	44	177
1953	178	22	200
1954	177	22	199
1955	177	-	177
1956	89	-	89
1957	89	-	89

BLIND PERSONS.

Number of persons registered under the Blind Persons Acts during:-

1950	..	23	1954	..	12
1951	..	14	1955	..	17
1952	..	17	1956	..	21
1953	..	19	1957	..	13

Number of persons on Blind Persons Register at 31st December:

Year.	Males	Females	Total.
1950	52	73	125
1951	53	71	124
1952	49	72	121
1953	48	70	118
1954	47	64	111
1955	45	64	109
1956	45	63	108
1957	40	61	101

INFECTIOUS DISEASES.

Notified during the year 1957

Sanitary District	Measles.	Whooping Cough.	Pneumonia.	Scarlet Fever.	Erysipilas.	Enteric Fever.	Polio-myelitis.	Dysentery.
Llanfyllin M.B.	85	-	2	-	-	-	-	-
Llanidloes M.B.	-	-	3	-	-	-	-	-
Machynlleth U.D.	-	-	-	-	1	-	-	-
Montgomery M.B.	7	1	-	-	-	-	-	-
Newtown and Llanllwchaiarn U.D.	2	-	1	2	-	1	-	-
Welshpool M.B.	24	3	20	-	6	-	1	-
Forden R.D.	82	16	5	1	-	-	-	-
Llanfyllin R.D.	224	20	15	-	2	-	-	1
Machynlleth R.D.	13	-	-	-	1	-	4	-
Newtown and Llanidloes R.D.	31	1	5	-	-	-	-	-
WHOLE COUNTY:	468	41	51	3	10	1	5	1

MENTAL HEALTH SERVICES.

Lunacy Acts:

	Certified	Voluntary	Temporary	Total
Admitted	14	56	5	75
Discharged	10	52	-	62
including deaths	3	2	-	5

Mental Deficiency Acts:

	During 1957				Total cases on Authority's Register as on 31st December.			
	Under age 16		Aged 16 and over		Under age 16		Aged 16 and over.	
	M	F	M	F	M	F	M	F
Particulars of cases reported during 1957:								
(a) Cases at 31st December ascertained to be defectives "subject to be dealt with"								
Action taken on reports by:-								
(i) Local Education Authorities on children								
1. while at school or liable to attend school	1	-	-	-	-	-	-	-
2. on leaving special schools	1	3	-	-	-	-	-	-
3. on leaving ordinary schools	-	1	-	-	-	-	-	-
(ii) Police or by Courts	-	-	-	-	-	-	-	-
(iii) Other sources	-	-	-	-	-	-	-	-
(iv) Cases reported in which action was incomplete at 31.12.57 and are thus excluded from above.	2	1	-	-	-	-	-	-
Total number of cases reported during the year	4	5	-	-	-	-	-	-
Disposal of Cases:								
(a) of the cases ascertained to be defective "subject to be dealt with" - Number								
(i) Placed under Statutory Supervision	2	4	-	-	10	2	50	39
(ii) Placed under Guardianship	-	-	-	-	-	-	-	-
(iii) Taken to "Places of Safety"	-	-	-	-	-	-	-	-
(iv) Admitted to Hospitals	-	-	-	-	2	5	22	38
	2	4	-	-	12	7	72	79
Classification of defectives in the community on 31.12.57 Number of cases "under Statutory Supervision" considered suitable for occupation centres.	5	2	8	9	-	-	-	-

FOOD AND DRUGS ACT, 1955

Report of the Food and Drugs Inspector for the year ended 31st December, 1957.

One hundred and seventyfive samples were purchased during the year. 144 were samples of milk and31 were samples of miscellaneous articles of food.

The action taken with regard to milk samples found to be "not genuine" is given under:

Sample No. 70. Benjamin Corfield, Gungrog Dairy, Welshpool, was prosecuted for seeling milk containing added water and was convicted. He was fined £10 and ordered to pay £2:2:0 costs.

With regard to the remaining samples of milk found to be "not genuine" by reason of deficiency in fat, no further action was advisable. Where the solids-not-fat were below standard no further action was possible as there was no evidence of added water being present.

The samples of the miscellaneous articles of food were as under:

Sample	Genuine	Not Genuine	Total
Fish cakes	1	-	1
Faggots	1	-	1
Suet	2	-	2
Pepper	1	-	1
Coffee	1	-	1
Forcemeat	1	-	1
Corned Beef	-	1	1
Mustard	1	-	1
Custard Powder	1	-	1
Sage & Onion Stuffing	1	-	1
Table Cream	1	-	1
Parsley & Thyme & Lemon	1	-	1
Bakewell Tart	1	-	1
Chocolate	1	-	1
Instant Whip	1	-	1
Tea	3	-	3
Beef Sausage	1	-	1
Pork Sausage	1	-	1
Lard	1	-	1
Aniseed Balls	1	-	1
Icing Sugar	1	-	1
Cake Mix	1	-	1
Demerara Sugar	1	-	1
Welsh Sauce	1	-	1
Christmas Pudding	1	-	1
Dates	1	-	1
Candied Peel	1	-	1
Mincemeat	1	-	1
	30	1	31

Sample No.42 Cornbeef (Not genuine) -

This sample of cornbeef was found to contain a very small portion of the skin and hair of a cow. There was no other extraneous matter present.

E.WALTER EVANS.
Inspector of Foods & Drugs.

Weights and Measures Office,
Welshpool.

1st September,1958.

AMBULANCE SERVICE: SUMMARY OF COSTS

AMBULANCE	Period	Journeys.	Patients.	Mileage.	Mileage Costs.	Nursey Tunnel Tolls.	County Council Grant.	Total Cost.	Average Cost per: Mile	Average Cost per: Patient-Mile
					£. s. d.	£. s. d.	£. s. d.	£. s. d.	s. d.	s. d.
MACHYNLLETH	1948-9	173	188	10590	529. 10. 0	4. 8	375. 0. 0.	904. 14. 8	1. 8½	1. 7
	1950-1	413	451	18409	943. 12.10		500. 0. 0	1443. 12. 0	1. 6¾	1. 5¼
	1952-3	302	326	14449	842. 17. 2		500. 0. 0	1342. 17. 2	1.10¼	1. 8¾
	1954-5	222	245	12103	706. 0. 2		518. 15. 0	1224. 15. 2	2. 0¼	1.10
	1956-7	208	250	9532	570. 12. 0		550. 0. 0	1120. 12. 0	2. 4¼	1.11½
	Totals:	1318	1460	65083	3592. 12. 2	4. 8	2443. 15. 0	6036. 11.10	1.10¼	1. 8
LLANIDLOES	1948-9	180	187	8526	426. 6. 0	6. 0	375. 0. 0	801. 12. 0	1.10¾	1.10
	1950-1	323	337	14089	723. 16. 8	15.10	500. 0. 0	1224. 12. 6	1. 8¾	1. 8
	1952-3	353	360	16399	956. 12. 2	14. 0	500. 0. 0	1457. 6. 2	1. 9¼	1. 9
	1954-5	345	356	18458	1077. 0. 4	5. 4	518. 15. 0	1596. 0. 8	1. 8¾	1. 8
	1956-7	295	312	13637	813. 7. 4		550. 0. 0	1363. 7. 4	2. 0	1.10¾
	Totals:	1496	1552	71109	3997. 2. 6	2. 1. 2	2443. 15. 0	6442. 18. 8	1. 9¾	1. 9
CAERSWS	1948-9	54	56	2832	141. 12. 0		375. 0. 0	516. 12. 0	2. 7¼	3. 6¼
	1950-1	130	140	7919	405. 2. 4	14. 4	500. 0. 0	905. 16. 8	2. 3½	2. 1½
	1952-3	115	129	7665	447. 2. 6	10. 2	500. 0. 0	947. 12. 8	2. 5¾	2. 2½
	1954-5	188	194	12043	703. 5. 2	5. 0	518. 15. 0	1222. 5. 2	2. 0¼	1.11½
	1956-7	142	154	9140	545. 12. 0		550. 0. 0	1095. 12. 0	2. 4¾	2. 2¾
	Totals:	629	673	39599	2242. 14.0	1. 9. 6	2443. 15. 0	4687. 18. 6	2. 4½	2. 2½
NEWTOWN	1948-9	130	168	4510	225. 10.0	4. 8	375. 0. 0	600. 14. 8	2. 8	2. 0¾
	1950-1	230	268	9937	511. 13.10	10. 0	500. 0. 0	1012. 3.10	2. 0½	1. 9
	1952-3	236	248	10760	627. 13. 4		500. 0. 0	1127. 13. 4	2. 1¼	2. 0
	1954-5	280	320	13658	796. 14.4	9. 0	518. 15. 0	1315. 18. 4	1.11	1. 8¼
	1956-7	353	394	17367	1038. 2.2		550. 0. 0	1588. 2. 2	1.10	1. 7¾
	Totals:	1229	1398	56232	3199. 13.8	1. 3. 8	2443. 15. 0	5644. 12.4	2. 0	1. 9
WELSHPOOL	1948-9	213	227	6466	323. 6.0		375. 0. 0	698. 6. 0	2. 2	2. 0¼
	1950-1	472	501	18547	945. 7.8	19. 2	500. 0. 0	1446. 6.10	1. 6¾	1. 5½
	1952-3	466	504	17581	1025. 11.2		500. 0. 0	1525. 11. 2	1. 8¾	1. 7¼
	1954-5	464	495	17952	1047. 4.0	9. 4	518. 15. 0	1566. 8. 4	1. 9	1. 7¾
	1956-7	484	530	18313	1099. 9.10	15. 5	550. 0. 0	1650. 5. 3	1. 9½	1. 7¼
	Totals:	2099	2257	78859	4440. 18.8	2. 3.11	2443.15. 0	6886. 17. 7	1. 9	1. 7½

					£. s. d.	£. s. d.	£. s. d.	£. s. d.	s. d.	s. d.
LLANFYLLIN.	1948-9									
	1950-1	232	243	12705	651. 3. 6	4. 8	437.10. 0	1088.18. 2	1. 8½	1. 7¾
	1952-3	360	302	20254	1181. 9. 8	1. 8.10	500. 0. 0	1682.18. 6	1. 8	1. 6¾
	1954-5	531	604	27737	1617.19. 8	1. 5. 4	518.15. 0	2138. 0. 0	1. 6½	1. 4¼
	1956-7	537	662	27554	1639.13. 0	17. 8	550. 0. 0	2190.10. 8	1. 7	1. 3¾
	Totals:	1660	1891	88250	5090. 5.10	3.16. 6	2006. 5. 0	7100. 7. 4	1. 7¼	1. 5
ALL AMBULANCES	1948-9	750	826	32924	1646. 4. 0	15. 4	1875. 0. 0	3521.19. 4	2. 1¾	1.11¼
	1950-1	1800	1940	81606	4180.16.10	3. 4. 0	2937. 10.0	7121.10. 1	1. 9	1. 7½
	1952-3	1834	1951	87108	5081. 6. 0	2.13. 0	3000. 0. 0	8083.19. 0	1.10	1. 9
	1954-5	2030	2214	101951	5948. 3. 8	2.14. 0	3112.10. 0	9063. 7. 8	1. 9¼	1. 7½
	1956-7	2019	2302	95543	5706. 16. 4	1.13. 1	3300. 0. 0	9008. 9. 5	1.10½	1. 7¾
	Totals:	8431	9231	399132	22563. 6.10	10. 19.5	14225. 0.0	36799. 6. 3	1.10	1. 8
ALL AMBULANCES	1956	983	1144	47340	2787. 4. 0	13.2	1650. 0.0	4437.17. 2	1.10½	1. 7¼
	1957	1036	1158	48203	2919.12. 4	19.11	1650. 0.0	4570.12. 3	1.10¾	1. 8¼

SITTING-CASE CAR SERVICE: SUMMARY OF COSTS

Period.		Journeys.	Patients.	Mileage.	Mileage Charges. £. s.d.	Other Charges £. s. d.	Total Cost. £. s. d.	Average cost per: Mile. d.	Patient mile. d.
1948-9	Taxis	522	549	27023	1027. 9. 7	23. 15. 7	1051. 5. 2	9.34	8.88
	Volunteers	769	806	46155	1161. 8. 6	71. 19. 10	1233. 8. 4	6.41	6.15
	Total:	1291	1355	73178	2188. 18. 1	95. 15. 5	2284.13. 6	7.49	7.14
1950	Taxis	168	177	6820	268. 3. 8	8. 15. 3	276.18.11	9.76	9.25
	Volunteers	1153	1293	74006	1865. 10. 9	110. 10. 10	1976. 0. 6	6.69	6.01
	Total:	1321	1470	80826	2133. 14. 5	119. 6. 1	2253. 0. 6	6.69	6.01
1951	Taxis	137	145	5932	240. 15. 2	8. 18. 3	249.13. 5	10.10	9.54
	Volunteers	1855	2059	109368	3090. 6. 6	163. 10. 10	3254. 0. 4	7.14	6.43
	Total:	1992	2204	115300	3331. 1. 8	172. 9. 1	3503.13. 9	7.29	6.59
1952	Taxis	126	146	4798	213. 2. 9	5. 16. 8	218.19. 5	10.95	9.45
	Volunteers	2266	2636	123663	3533. 6.10	177. 16. 1	3711. 2.11	7.20	6.19
	Total:	2392	2782	128461	3746. 9. 7	183. 12. 9	3930. 2. 4	7.34	6.31
1953	Taxis	162	167	6072	268. 0.10	4. 18. 11	272.19. 9	10.79	10.47
	Volunteers	2271	2525	119517	3458. 11. 6	166. 10. 10	3625. 2. 4	7.28	6.55
	Total:	2433	2692	125589	3726. 12. 4	171. 9. 9	3898. 2. 1	7.45	6.73
1954	Taxis	139	151	6626	295. 17.4	4. 10. 6	300. 7.10	10.88	10.81
	Volunteers	2554	2962	133479	3967. 14.3	173. 12. 4	4141. 6. 7	7.45	6.42
	Total:	2693	3113	140105	4263. 11.7	178. 2. 10	4441.14. 5	7.61	6.58
1955	Taxis	256	280	9934	431. 1.4	13. 5. 11	444. 7. 3	10.73	9.81
	Volunteers	3279	3758	158206	4846. 17.8	174. 1. 4	5028.19.0	7.62	6.65
	Total:	3535	4038	168140	5277. 19.0	187. 7. 3	5465. 6.3	7.80	6.83
1956	Taxis	88	131	4297	199. 17.8	3. 18. 8	203.16. 4	11.38	7.64
	Volunteers	3845	4570	175121	5451. 12.6	181. 9. 8	5633. 2. 2	7.72	6.49
	Total:	3933	4701	179418	5651. 10.2	185. 8. 4	5836.18. 6	7.81	6.53
1957	Taxis	52	87	2773	138. 18.5	2. 8. 6	141. 6.11	12.23	7.31
	Volunteers	3871	4987	171115	5429. 12.8	174. 0. 4	5603.13.0	7.86	6.10
	Total:	3923	5074	173888	5568. 11.1	176. 8. 10	5744.19.11	7.93	6.13

ANALYSIS OF VITAL STATISTICS FOR THE TEN LOCAL SANITARY AUTHORITIES: 1957

Sanitary District.	Population.	Live Births.	Rate per 1000 population.	Still-births.	Percentage of live births.	Illegitimate births (live & still	Percentage of total births.	Infant deaths under 1 year.	Rate per 1000 live births.	Deaths (all causes)	Rate per 1000 pop'n.	Deaths from tuberculosis.	Rate per million population.
Llanfyllin M.B.	1310	12	9·16	-	-	-	-	3	250	16	12·21	-	-
Llanidloes M.B.	2330	34	14·59	1	2·9	1	2·9	-	-	28	12·02	-	-
Machynlleth U.D.	1830	20	10·93	1	5·0	-	-	-	-	25	13·66	-	-
Montgomery M.B.	870	19	21·84	-	-	-	-	-	-	10	11·49	-	-
Newtown & Llanllwchaiarn U.D.	5370	82	15·27	3	3·7	1	1·2	1	12	57	10·61	1	186
Welshpool M.B.	6070	95	15·65	6	6·3	3	3·0	4	42	62	10·21	-	-
Urban Districts	17780	268	15·07	11	4·1	5	1·8	8	30	198	11·14	1	56
Forden R.D	5220	96	18·39	2	2·1	4	4·1	3	31	62	11·88	2	383
Llanfyllin R.D.	9790	139	14·10	4	2·9	9	6·3	1	7	126	12·87	-	-
Machynlleth R.D.	3040	35	11·51	1	2·9	2	5·6	-	-	51	16·78	1	329
Newtown & Llanidloes R.D.	9100	146	16·04	8	5·5	3	1·9	3	21	94	10·55	-	-
Rural Districts	27150	416	15·32	15	3·6	18	4·1	7	17	333	12·27	3	110
Whole County	44930	684	15·22	26	3·8	23	3·24	15	22	531	11·82	4	89

CAUSES OF DEATH IN THE AREAS OF THE TEN SANITARY AUTHORITIES.

CAUSES OF DEATH	Llanfyllin M.B.	Llanidloes M.B.	Machynlleth U.D.	Montgomery M.B.	Newtown and Llanllwchaiarn U.D.	Welshpool M.B.	Urban Districts	Forden R.D.	Llanfyllin R.D.	Machynlleth R.D.	Newtown and Llanidloes R.D.	Rural Districts.	WHOLE COUNTY.
All Causes	16	28	25	10	57	62	198	62	126	51	94	333	531
1. Tuberculosis: respiratory	-	-	-	-	1	-	1	2	-	1	-	3	4
2. Tuberculosis: other	-	-	-	-	-	-	-	-	-	-	-	-	-
3. Syphilitic disease	-	-	-	-	-	-	-	-	1	-	-	1	1
4. Diphtheria	-	-	-	-	-	-	-	-	-	-	-	-	-
5. Whooping Cough	-	-	-	-	-	-	-	-	-	-	-	-	-
6. Meningococcal infections	1	-	-	-	-	-	1	-	-	-	-	1	1
7. Acute poliomyelitis	-	-	-	-	-	-	-	-	-	1	-	1	1
8. Measles	-	-	-	-	-	1	1	-	-	-	-	1	1
9. Other infective and parasitic diseases	-	-	-	-	-	-	-	1	-	-	-	1	1
10. Malignant neoplasm: stomach	3	3	1	1	2	1	11	2	5	5	1	13	24
11. " "lung, bronchus	-	-	-	-	3	-	3	2	2	-	4	8	11
12. " "breast	-	-	1	-	-	-	1	-	2	2	1	5	6
13. " " uterus	-	-	-	-	-	2	2	1	-	1	-	2	4
14. Other malignant and lymphatic neoplasms	-	3	3	-	3	7	16	2	16	7	7	32	48
15. Leukaemia, aleukaemia	-	-	-	-	1	1	2	-	1	-	-	1	3
16. Diabetes	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Vascular lesions of nervous system	1	4	4	3	9	19	40	14	26	6	16	62	102
18. Coronary disease, an. inc.	2	8	2	1	5	5	23	8	11	7	9	35	58
19. Hypertension with heart disease	1	-	3	-	6	2	12	-	2	1	1	4	16
20. Other heart disease	3	2	6	2	17	8	38	14	18	8	24	64	102
21. Other circulatory disease	1	2	3	-	1	2	9	4	6	2	5	17	26
22. Influenza	-	-	-	-	2	-	2	-	1	1	1	3	5
23. Pneumonia	-	-	1	-	1	1	3	2	2	2	-	6	9
24. Bronchitis	1	-	-	1	1	2	5	2	3	2	3	10	15
25. Other diseases of the respiratory system	-	-	1	-	-	1	2	-	1	-	-	1	3

CAUSES OF DEATH	Llanfyllin M.B.	Llanidloes M.B.	Machynlleth U.D.	Montgomery M.B.	Newtown and Llanllwchaiarn U.D.	Welshpool M.B.	Urban Districts.	Forden R.D.	Llanfyllin R.D.	Machynlleth R.D.	Newtown and Llanidloes R.D.	Rural Districts.	WHOLE COUNTY.
26. Ulcer of stomach and duodenum	-	-	-	-	-	1	1	2	1	-	1	4	5
27. Gastritis, enteritis and diarrhoea.	-	1	-	-	-	-	1	1	1	-	-	2	3
28. Nephritis and nephrosis	-	-	-	-	1	1	2	-	2	3	1	6	8
29. Hyperplasia of prostate	-	1	-	-	-	-	1	-	1	-	1	2	3
30. Pregnancy, childbirth, abortion.	-	-	-	-	-	-	-	-	-	-	-	-	-
31. Congenital malformations	-	-	-	1	1	1	3	2	-	-	2	4	7
32. Other defined and ill-definited diseases	2	2	-	-	2	5	11	2	14	1	13	30	41
33. Motor vehicle accidents	-	1	-	-	-	-	1	-	5	1	-	6	7
34. All other accidents	1	-	-	-	1	-	2	-	3	-	4	7	9
35. Suicide	-	-	-	1	-	2	3	1	2	-	-	3	6
36. Homicide and operations of war	-	1	-	-	-	-	1	-	-	-	-	-	1

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CAUSES OF DEATH — AGE AND SEX DISTRIBUTION.

	Causes of death	Sex	All ages.	0-1 years	1-5 years	5-15 years	15-25 years	25-45 years	45-65 years	65-75 years	75 years and over.
1.	Tuberculosis - respiratory	M	1	-	-	-	-	1	-	-	-
		F	3	-	-	-	-	1	1	-	1
2.	Tuberculosis - other	M	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-
3.	Syphilitic disease	M	-	-	-	-	-	-	-	-	-
		F	1	-	-	-	-	-	-	1	-
4.	Diphtheria	M	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-
5.	Whooping Cough	M	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-
6.	Meningococcal infections	M	1	1	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-
7.	Acute Poliomyelitis	M	1	-	-	-	-	1	-	-	-
		F	-	-	-	-	-	-	-	-	-
8.	Measles	M	-	-	-	-	-	-	-	-	-
		F	1	-	1	-	-	-	-	-	-
9.	Other infective and parasitic diseases	M	-	-	-	-	-	-	-	-	-
		F	1	-	-	-	-	-	1	-	-
10.	Malignant neoplasm, stomach	M	7	-	-	-	-	-	3	2	2
		F	17	-	-	-	-	1	2	3	11
11.	Malignant neoplasm, Lung, bronchus	M	8	-	-	-	-	2	2	4	-
		F	3	-	-	-	-	-	1	2	-
12.	Malignant neoplasm, breast.	F	6	-	-	-	-	-	2	2	2
13.	Malignant neoplasm, uterus	F	4	-	-	-	-	-	3	1	-
14.	Other malignant and lymphatic neoplasms.	M	28	-	-	-	-	2	6	13	7
		F	20	-	-	-	1	-	8	5	6
15.	Leukaemia, aleukaemia	M	3	-	-	-	-	-	2	1	-
		F	-	-	-	-	-	-	-	-	-
16.	Diabetes	M	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-
17.	Vascular lesions of nervous system	M	39	-	-	-	-	-	12	11	16
		F	63	-	-	1	-	1	8	19	34
18.	Coronary disease, angina	M	38	-	-	-	-	1	10	10	17
		F	20	-	-	-	-	-	4	12	4
19.	Hypertension with heart disease	M	6	-	-	-	-	-	2	4	-
		F	10	-	-	-	-	-	2	5	3

	Causes of Death.	Sex.	All ages.	0-1 year.	1-5 years	5-15 years	15-25 years	25-45 years	45-65 years	65-75 years	75 years and over
20.	Other heart disease	M	51	-	-	-	-	-	1	16	34
		F	51	-	-	-	-	-	4	9	38
21.	Other circulatory disease	M	20	-	-	-	-	-	3	8	9
		F	6	-	-	-	-	-	1	-	5
22.	Influenza	M	4	-	-	-	-	-	3	1	-
		F	1	-	-	-	-	-	-	-	1
23.	Pneumonia	M	6	-	-	-	-	-	3	1	2
		F	3	-	-	-	-	-	-	-	3
24.	Bronchitis	M	9	-	-	-	-	1	3	2	3
		F	6	-	-	-	-	1	-	1	4
25.	Other diseases of respiratory system	M	2	-	-	-	-	-	-	1	1
		F	1	-	-	-	-	-	-	1	-
26.	Ulcer of stomach and duodenum	M	5	-	-	-	-	1	1	1	2
		F	-	-	-	-	-	-	-	-	-
27.	Gastritis, Enteritis and diarrhoea	M	2	-	-	-	-	-	1	-	1
		F	1	-	-	-	-	-	1	-	-
28.	Nephritis and nephrosis	M	3	-	-	-	-	-	1	-	2
		F	5	-	-	-	-	-	1	3	1
29.	Hyperplasia of prostrate	M	3	-	-	-	-	-	-	-	3
		F	-	-	-	-	-	-	-	-	-
30.	Pregnancy, childbirth, abortion	F	-	-	-	-	-	-	-	-	-
31.	Congenital malformations	M	5	5	-	-	-	-	-	-	-
		F	2	-	1	-	-	-	-	1	-
32.	Other defined and ill-defined diseases	M	16	4	1	-	-	1	3	1	6
		F	25	5	-	-	-	-	1	2	17
33.	Motor vehicle accidents	M	6	-	-	1	1	3	1	-	-
		F	1	-	-	-	-	-	1	-	-
34.	All other accidents	M	5	-	2	-	-	-	3	-	-
		F	4	-	-	-	-	-	-	1	3
35.	Suicide	M	6	-	-	-	-	2	3	1	-
		F	-	-	-	-	-	-	-	-	-
36.	Homicide and operations of war	M	1	-	-	-	-	-	-	1	-
		F	-	-	-	-	-	-	-	-	-
TOTALS:	ALL CAUSES	M	276	10	3	1	1	15	63	78	105
		F	255	5	2	1	1	4	41	68	133